



MAIL STOP PATENT APPLICATION
COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450



27299

PATENT TRADEMARK OFFICE

I hereby certify that this paper together with enclosures is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450,

Express Mail" Label No. EV 317986957 US

Date of Deposit: July 8, 2003

By

Robert F. Gazdzinski

Reg. No. 39,990

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s):

Dennis G. Hepp, residing at 3848 114th Lane NW, Coon Rapids, Minnesota 55433, a U.S. Citizen

Gail D. Baura, residing at 1920 Froude Street, San Diego, California 92107, a U.S. Citizen

James O. Elf, 10675 Escobar Drive, San Diego, California 92124, a U.S. Citizen

Jeremy Robert Malecha, 862 Sapphire Street, San Diego, California 92109, a U.S. Citizen

Sau Kuen Ng, 123 Jackson Street, #1, Hoboken, New Jersey 07030, a U.S. Citizen

For: **APPARATUS AND METHOD FOR DETERMINING CARDIAC OUTPUT IN A LIVING**
SUBJECT

Enclosed are:

- (X) Specification, including 86 claims and abstract, in sixty (60) sheets.
- (X) Thirty-eight (38) figures on thirty-three (33) sheet(s).
- (X) This application is a continuation of U.S. patent application Serial No. 09/903,473 filed July 10, 2001, which is a continuation-in-part of U.S. patent application Serial No. 09/613,183 filed July 10, 2000.
- (X) Applicant claims Small Entity status (See 37 CFR 1.27).
- (X) A copy of Declaration from prior application is enclosed (3 pages).
- (X) Power of Attorney (2 pages).
- (X) Preliminary Amendment (11 pages).
- (X) Replacement Claim sheets (9 pages).

-
- (X) Request for Non-Publication (1 page).
- (X) Information Disclosure Statement (2 pages).
- (X) Form PTO-1449 (2 pages).
- (X) Copy of US Patent No. 6,561,986 B2 as cited in PTO-1449 above (30 pages).
- (X) Return prepaid postcard.
-


CLAIMS AS FILED

FOR	NUMBER FILED	NUMBER EXTRA	RATE	FEE
Basic Fee			\$375.00	\$375.00
Total Claims	62 - 20 =	42 ×	\$ 9.00	\$378.00
Independent Claims	12 - 3 =	9 ×	\$ 42.00	\$378.00
If application contains any multiple dependent claims(s), then add			\$140.00	\$-0-
TOTAL FILING FEE				\$1,131.00

- (X) A check in the amount of \$1,131.00 to cover the filing fee is enclosed.
- (X) **Cancel in this application original Claims 16, 22-31, 37-39, 43-45, 49-59, 69, 71-73 and 80-86 and add new Claims 87-101 as provided in the Preliminary Amendment submitted herewith before calculating the filing fee.**
- (X) The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 and 1.17 which may be required, or credit any overpayment to Deposit Account No. 501423. A duplicate copy of this sheet is enclosed.

GAZDZINSKI & ASSOCIATES

Dated: 7/8/03

By: 
Robert F. Gazdzinski
Registration No. 39,990
Attorney of Record
11440 West Bernardo Court, Suite 375
San Diego, CA 92127
Tel: (858) 675-1670
Fax: (858) 675-1674

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Dennis G. Hepp, et al.

App. No. : To be assigned

Filed : Herewith

For : **APPARATUS AND METHOD
FOR DETERMINING
CARDIAC OUTPUT IN A
LIVING SUBJECT**

Examiner : Unknown

Group Art Unit: Unknown

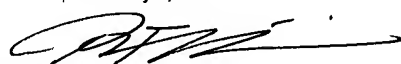


27299

PATENT TRADEMARK OFFICE

I hereby certify that this paper together with enclosures is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450,

Express Mail® Label No. EV 317986957 US
Date of Deposit: July 8, 2003

By 
Robert F. Gazdzinski
Reg. No. 39,990

REQUEST FOR NON-PUBLICATION

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to U.S.C. 122(b), applicant requests that the subject application not be published.

Additionally, at this time Applicant certifies that the invention disclosed in the application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Respectfully submitted,

GAZDZINSKI & ASSOCIATES

Dated: July 8, 2003

By: 

Robert F. Gazdzinski, Esq.
Registration No. 39,990
Attorney of Record
11440 West Bernardo Court, Suite 375
San Diego, CA 92127
Telephone No. (858) 675-1670
Facsimile No. (858) 675-1674